

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 December 2005 (15.12.2005)

PCT

(10) International Publication Number
WO 2005/117701 A1

(51) International Patent Classification⁷: **A61B 5/083**

(21) International Application Number:
PCT/GB2005/001925

(22) International Filing Date: 19 May 2005 (19.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0412096.0 29 May 2004 (29.05.2004) GB

(71) Applicant (for all designated States except US): **NUTREN TECHNOLOGY LIMITED** [GB/GB]; Ribble Court, Shuttleworth Mead Business Park, Padiham, Lancashire BB12 7SN (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BRADLEY, Austen, Peter** [GB/GB]; Nutren Technology Limited, Ribble Court, Shuttleworth Mead Business Park, Padiham, Lancashire BB12 7SN (GB).

(74) Agents: **APPLETON, Ben** et al.; Appleyard Lees, 15 Clare Road, Halifax, HX1 2HY (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

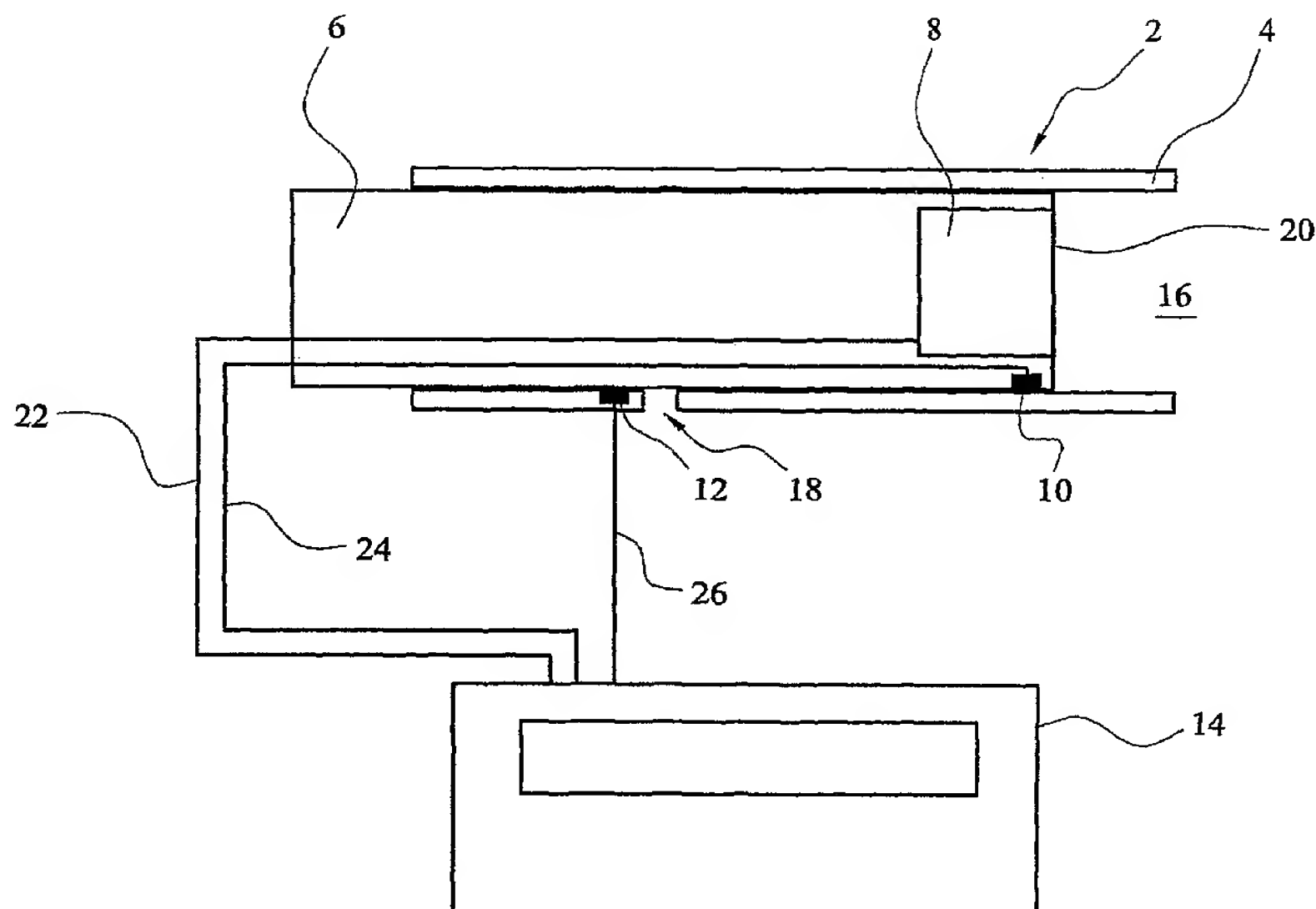
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BREATH MONITORING APPARATUS AND METHOD



(57) Abstract: A breath monitoring apparatus is provided comprising a housing (4) on which is mounted, a means (6, 10, 12) to measure the volume of an inhaled breath of the user; and a means (8) to measure the gas content of an exhaled breath of a user. There is further provided a method of monitoring breaths, the method comprising the steps of calculating the volume of an inhaled breath of a user and calculating the gas content of an exhaled breath of the user. The apparatus and method relate in particular to indirect calorimetry.

WO 2005/117701 A1